Classification of the Leafbeetles from Korea
Part II. Subfamily Cassidinae (Coleoptera: Chrysomelidae)

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ABSTRACT

The present paper deals with 23 species belonging to 4 genera of the Cassidinae from Korea, of them 4 species are newly added here as: Cassida (Taiwania) juglans Gressitt, 1942, C. (T.) versicolor (Boheman, 1855), C. (Cassidulella) velaris Weise, 1896 and C. (C.) vittata Villers, 1789.

INTRODUCTION

The subfamily Cassidinae or tortoise beetles, are often thought to be the most specialized taxa among the leafbeetles. The adults are broadly oval or circular in shape, with the expanded prothoracic and elytral margins, and the head largly or entirely covered by the pronotum. Some of them are similar to ladybird beetles. The larvae bearing with caudal appendages are elongate-oval, somewhat flattened, and very spiny.

Heyden firstly recorded *Cassida viridis* from Korea in 1887. Since then 19 species of tortoise beetless have been reported in this country, mainly by Spaeth (1914, 1926, 1930). Chujo (1941), Cho (1957, 1965), Gressitt et Kimoto (1963). Takizawa (1980) and others.

The present paper treats of 23 species belonging to 4 genera, among them 4 species are recorded for the first time in Korea. All the reported domestic localities and host plants of each species followed after the authors' the first series.

Subfamily Cassidinae

Key to Korean Genera of Cassidinae

S.L.	AN, Y.J. KWON, S.M. LEE: Subfamily Cassidinae (Coleoptera: Chrysomelidae)
2.	Prosternum lacking a groove on side for reception of antennae
3.	Apical margin of elytra lacking a row of fine hairs on underside; tarsal claws often toothed basally
	Tribe Aspidomorphini 급자라 남생이 있번레 쪽
	Genus 1. Aspidomorpha Hope, 1840 급자라 남생이 잎빈레속
A sp	Type-species: Cassida miliaris Fabricius. Type-locality: Oriental regions.
	Key to Korean species of Aspidomorpha
	tral disc evenly convex and smooth, lacking a postbasal tubercle; yellowish brown, elytral disc reddish brown to pitchy brown, with a dark reddish brown patch on humeri and another on postero-lateral portion; length of body 6-7.2mm
Ely	tral disc with a common, subacute tubercle at suture a short distance behind scutellum; yellowish brown, elytral disc dark reddish brown to pitchy brown, explanate margins of elytra with a distinct pitchy patch on humeri and one another on postero-lateral portion; elytra finely punctate-striate without depressions; length of body 7.2-8.2mm
1.	Aspidomorpha difformis (Motschulsky, 1860) 급자라 남생이 잎벌레
	Deloyala difformis: Motschulsky, 1860, Etud. Ent. 9: 27. Aspidomorpha difformis: Spaeth, 1914, ZoolBot. Ges. Wien, Verh. 64 (Sitzb): 129 (Korea).
	Aspidomorpha difformis: ab. japonica, Spaeth, 1926, Best. Tab. Eur. Col. 95:10. Aspidomorpha difformis: Doi, 1927, Dob. Zassh. 39 (466): 337 (Korea). Aspidomorpha differmis (sic): For. Exp. Stat. Chos. Gov. Gen., 1932, Out. Koryo Exp. For.: 122 ^① .
	Aspidomorpha difformis: Chûjô, 1934, Sylvia 5: 150-152 (Korea). Aspidomorpha difformis: Haku, 1936, Journ. Chos. Nat. Hist. Soc. 21: 123 ^② . Aspidomorpha difformis: Mochizuki et Tsunekawa, 1937, Journ. Chos. Nat. Hist. Soc. 22: 84 ^③ .
	Aspidomorpha difformis: Hirayama, 1940, Col. II1. Beet.: 166, pl. 51 (Korea). Aspidomorpha difformis: Yuasa, 1950, Icon. Ins. Jap. ed. ref. 2: 1209, f. 3477 (Korea). Aspidomorpha difformis: Chûjô, 1951, Trans. Shik. Ent. Soc. 2(3): 46 (Korea). Aspidomorpha difformis: Chûjô et Kimoto, 1961, Pac. Ins. 3(1): 196 (Korea). Aspidomorpha difformis: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 949-950 (Korea).

Aspidomorpha difformis: Nakane, 1963, Icon. Ins. Jap. Col. nat. ed. 2: 347, pl. 174(8) (Korea).

Aspidomorpha difformis: Cho, 1965, Sci. Techn. Nat. Sci. 6: 127 (Korea).

Aspidomorpha difformis: Suda, in Furukawa, et al., 1965, Col. Encycl. Ins.: 552 (Korea).

Aspidomorpha difformis: Kimoto, 1966, Journ. Fac. Agr. Kyush. Univ. 13(4): 644-645 (Korea).

Aspidomorpha difformis: Cho, 1969, III. Encycl. Faun. & Flor. Kor. 10: 389, pl. 74(26) (Korea).

Aspidomorpha difformis: Jolivet, 1973, Cah. Pac. 17: 274 (Corée).

Aspidomorpha difformis: Ed. Dep. Hokuryukan, 1979, III. Ins. Jap. stud. ed.: 438 (Korea).

Locality: published records- Kwangnung (1), Mt. P'algongsan (2), Mt. Soyosan (3); new records- Mt. Chuwangsan, Mt. Ch'iaksan, Mt. Ungilsan.

Distribution: Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu, Ryukyu), China (Cheking, Fukien, Kirin, Taiwan), U.S.S.R. (Siberia).

Host: Calystegia japonica (Thunberg), Chenopodium sp.

2. Aspidomorpha transparipennis (Motschulsky, 1860) 모시금자라 남생이잎벌레

Coptocycla transparipennis Motschulsky, 1860, Etud. Ent. 9: 41.

Aspidomorpha elliptica Gorham, 1885, Proc. Zool. Soc. Lond.: 280.

Aspidomorpha transparipennis: Spaeth, 1914, Col. Cat. 62: 67 (Korea).

Aspidomorpha transparipennis: Spaeth, 1914, Zoo. -Bot. Ges. Wien, Verh. 64: 129 (Korea).

Aspidomorpha transparipennis: Spaeth, 1926, Best. -Tap. Eur. Col. 95: 10 (Korea).

Aspidomorpha transparipennis: Doi, 1927, Dob, Zassh, 39 (466): 334 ^{①-②}

Aspidomorpha transparipennis: Matsumura, 1931, 6000 ill, Ins. Jap.: 226 (Korea).

Aspidomorpha transparipennis: Chûjô, 1934, Sylvia 5: 150-151 (Korea).

Aspidomorpha transparipennis: Haku, 1936, Chos. Nat. Hist. Soc. (I) 21: 123 3.

Aspidomorpha transparipennis: Morita, 1936, Ent. World 4(34): 858 (4)

Aspidomorpha transparipennis: Mochizuki et Tsunekawa, 1937, Journ. Chos. Nat. Hist. Soc. 22: 84 ^⑤.

Aspidomorpha transparipennis: Mochizuki et Masui, 1939, Sci. Rep. Keit. 4: 651⁶.

Aspidomorpha transparipennis: Chujo, 1941, Trans. Nat. Hist. Soc. Form. 31(209): 233 ^{©-©}

Aspidomorpha transparipennis: Goto, 1956, In Nakane, et al.: Color. II1. Ins. Jap. Col.: 69, pl. 20 (Korea).

Aspidomorpha transparipennis: Cho, 1957, Hum Sci. Kor. Univ. 2: 248 (Korea).

Aspidomorpha transparipenis (sic.): For. Exp. Stal. Kor., 1959, Handb. Exp. For.: 98 ⁽¹⁾

Aspidomorpha transparipennis: Chûjô et Kimoto, 1961, Pac. Ins. 3(1): 196 (Korea).

Aspidomorpha transparipennis: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 954 (9)

Aspidomorpha transparipennis: Nakane, 1963, Icon. Ins. Jap. Col. nat. ed. 2: 347, pl. 174(9) (Korea).

Aspidomorpha transparipennis: Cho, 1965, Sci, Techn. Nat. Sci. 6: 127 (Korea).

Aspidomorpha transparipennis: Kimoto, 1966, Journ. Fac. Agr. Kyush. Univ. 13(4): 644 (Korea).

Aspidomorpha transparipennis: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 120 (Korea). Aspidomorpha transparipennis: Cho. 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 404 (C. Korea).

Aspidomorpha transparipennis: Jolivet, 1973, Cah, Pac. 17: 274-275 (Corée). Aspidomorpha transparipennis: Kim, 1978, Distr. Atl. Ins. Kor. 2 Col.: 173. pl.18 (CH38)

Aspidomorpha transparipennis: Takizawa, 1980, Nat. & Lif. 10(2): 12^{®-®}
Aspidomorpha transparipennis: Kimoto, 1984, Col. Jap.Col. 4: 221 (Korea).

Aspidomorpha transparipennis: Kim et Nam, 1984, Rep. Acad. Surv. Mt. Sorak.: 333

Locality: published records- Seoul (Keizyo), Namsan (Soulament), Sinch'on), Segomjong (Soulament), Sariwon (Soulament), Sariwon (Soulament), Sariwon (Soulament), Sariwon (Soulament), Sariwon (Soulament), Sekirison (Soulament), Kwangnung (Soulament), Kw

Distribution: Korea, Japan (Hokkaido, Honshu, Kyushu), China (Kirin), U.S.S.R. (Siberia).

Host.: Calonyction, Calystegia japonica (Thunberg), Chenopodium, Convolvulus, Ipomcea batatas Lamarck.

Tribe Cassidini

Genus 2. Thlaspida Weise, 1899 큰남생이 잎벌레속

Thlaspida Weise, 1899, Arch. Nat. 65(1): 272.

Type-species: Coptocycla cribrosa Boheman.

Type-locality: India, SE Asia.

Key to Korean species of Thlsapida

3. Thlaspida cribrosa (Boheman, 1855) 큰남생이 잎벌레

Coptocycla cribrosa Boheman, 1855, Mon. Cass. 3: 404.

Thlaspida japonica: Chûjô, 1941, Trans. Nat. Hist. Soc. Form. 31(209): 236 (1), (2)

Thlaspida biramosa japonica: Gotô, 1956, In Nakane, et al.: Color. Ill. Ins. Jap. Col.: 69, pl. 20 (Korea).

Thlaspida japonica: Cho, 1957, Hum. Sci., Nat. Sci. Kor. Univ. 2: 249 (Korea).

Thlaspida biramosa japonica: Chûjô et Kimoto, 1961, Pac. Ins. 3(1): 201 (Korea).

Thlaspida biramosa japonica: Gressitt et Kimoto, 1963, Pac. Ins. Mon 1B: 958-959 3

Thlaspida biramosa: Nakane, 1963, Icon. Ins. Jap. Col. nat. ed. 2:348, pl. 174(21) (Korea).

Thlaspida biramosa japonica: Cho, 1965, Sci. Tech. Nat. Sci. 6: 128 (Korea).

Thlaspida biramosa japonica: Suda, 1965, In Furukawa, et al., 1965, Col. Encycl. Ins.: 552 (Korea).

Thlaspida biramosa japonica: Kimoto, 1966, Journ. Fac. Agr. Kyush. Univ. 13(4): 647 (Korea).

Thlaspida kaponica (sic): Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 120 (Korea).

Thlaspida biramosa japonica: Cho. 1969, Ill. Encycl. Faun. & Flor. 10: 389, pl. 74(27) (Korea).

Thlaspida kaponica (sic): Hyun et Woo, 1969, Bull. Seoul Nat. Univ. For 6: 189 (4).

Thlaspida biramosa japonica: Ko. 1969, LIst For Insects Pests Kor.: 234 (Korea).

Thlaspida biramosa japonica: Kor. Soc. Pl. Prot., 1972, List pl. dis., Ins. Pests & Weeds Kor.: 188 (Korea).

Thlaspida biramosa japonica: Jolivet, 1973, Cah, Pac. 17: 275 (Corée).

Thaspida biramosa japonica (sic): Kim et Kim, 1973, Rep. Kor. Ass. Cons. Nat. 5: 81[©].

Thlaspida biramosa: Kim et Kim, 1974, Ibid, 8: 112^{®-®}

Thlaspida biramosa japonica: Kim, 1978, Distr. Atl. Ins. Kor. 2: 172, pl. 18 (CH37) ®-@.

Thlaspida biramosa: Kim et Lee, 1980, Rep. Kor. Ass. Cons. Nat. 16: 83 ⁽⁶⁾ .

Thlaspida cribrosa: Takizawa, 1980, Nat. & Lif. 10(2): 12 (5)

Thlaspida biramosa: Yoon et Nam, 1980a, Rep. Kor. Ass. Cons. Nat. 17: 147

Thlaspida biramosa japonica: Yoon et Nam, 1980b, Bas. Plan. Constr. Nat. Stud. Kyongg. Prov.: 39 ⁽³⁾

Thlaspida cribrosa: Kimoto, 1984, Col. Jap. Col. 4: 222, pl. 43(24) (Korea).

Locality: published records- Kwangnung (Koryo), Mt. Soyosan (Soyô-Zan), Mt. Yongmunsan (Yong-mun San), Mt. Jiri (Chirisan Piagol), Gucheondong (Muju kuch'ondong), Mt. Naejang), Mt. Baekyang, Huch'ang), Mt. Ch'onmasan, Seoul Uidong, Mt. Tobongsan, Mt. Wangbangsan, Mt. Myongjisan (Mt. Myeongji), Taesongni, Mt. Aengmubong, Mt. Myongjisan (Mt. Myeongji), Mt. Kyeryongsan, Mt. Aengmubong, Mt. Greryong, Ch'ongp'yong, Mt. Kyeryongsan, Mt. Kyeryongsan, Mt. Toksungsan, Mt. Greryong, Att. Naeyonsan, Mt. Pukhansan, Mt. Kajisan, Samnam Myon, Mt. Wonhyosan, Mt. Yongch'wisan, Is. Namhaedo, Mt. Obongsan, Mt. Mayisan,

Distribution: Korea, Japan (Ryukyu), China (Hainan, Taiwan), Indo-China, Burma, India.

Host: Callicarpa japonica Thunberg, C. mollis S. & Z.

4. Thlaspida lewisii (Baly, 1874)

루이스 큰남생이 잎벌레

Coptocycla Lewisii Baly, 1874, Trans. Ent. Soc. Lond.: 214.

Coptocycla testacea Rybakow, 1884, Hor. Soc. Ent. Ross. 18: 136.

Thlaspida Lewisi (sic): Spaeth, 1914, Junk. Schenk. Col. Cat. 62: 128.

Thlaspida Lewisi (sic): Spaeth, 1914, Zool-Bot. Ges. Wien. Verh. 64 (Sitzb): 145 (Korea).

Thlaspida Lewisi (sic): Spaeth, 1926, Best. Tab. Eur. Col. 95: 128 (Korea).

Thlaspida Lewisi (sic): Doi, 1927, Dob. Zassh. 39: 337 (Korea).

Thlaspida Lewisi (sic): Chujo, 1934, Sylvia 5: 155-156 (Korea).

Thlaspida lewisii: Chûjô, 1941, Trans. Nat. Hist. Soc. Form. 31 (209): 236 ^{①-④}.

Thlaspida Lewisi (sic): Gressitt, 1952, Proc. Calif. Acad. Sci. 4(27): 477, p1. 28(8) (Korea).

Thlaspida lewisii: Cho, 1957, Hum. Sci., Nat. Sci. Kor. Univ. 2:249 (Korea).

Thlaspida Lewisi (sic): Chûjô et Kimoto, 1961, Pac. Ins. 3(1): 202 (Korea).

Thlaspida lewisii: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 959-960, f. 273(b) (Korea).

Thlaspida lewisii: Nakane, 1963, Icon. Ins. Jap. Col. nat. ed. 2: 348, pl. 20 (Korea).

Thlaspida lewisii: Cho, 1965, Sci. Techn. Nat. Sci. Kor. Univ. 6: 128 (Korea).

Thlaspida lewisii: Kimoto, 1966, Journ. Fac. Agr. Kyush. Univ. 13(4): 646 (Korea).

Thlaspida lewisii: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 120 (Korea).

Thlaspida lewisii: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 389-390, pl. 74(28) (N, C. Korea).

Thlaspida lewisii: Ko. 1969, List For. Ins. Pests Kor.: 235 (Korea).

Thlaspida lewisii: Jolivet, 1973, Cah. Pac. 17: 275 (Corée).

Thlaspida lewisii: Kor. Soc. Pl. Prot., 1972, List Pl. dis., Ins. Pests & weed Kor.: 188 (Korea).

Thlaspida lewisii (sic): Kim et Kim, 1973, Rep. Kor. Ass. Cons. Nat. 5: 80 ⁽⁵⁾.

Thlaspida lewisii: Kim, 1978, Distr. Atl. Ins. Kor. 2: 171, pl. 8 (CH36) 6-6 .

Thlaspida lewisii: Takizawa, 1980, Nat. & Lif. 10(2): 12 ⁽¹⁾

Thlaspida lewisii: Yoon et Nam, 1980b, Bas. Plan. Constr. Nat. Stud. Kyongg. Prov.: 39 [®]

Thlaspida lewisii: Kimoto, 1984, Col. Jap. Col. 4: 222, pl. 43 (23) (Korea).

Locality: published records- Bambutosô (), Mt. Kongō-Zan (), Zyôgen' an (), Mt. Myôko-Zan (), Gucheondong () (Muju Kuch' ondong ()), Sambang (), Kwangnung (), Mt. Yongmunsan (), Mt. Myŏngjisan ()-(), Poch' on (), Tongduch' on (), Mt. Wangbangsan (), Mt. Songnisan (), Hibangsa (), Mt. Chirisan (), Palkongsan (), new records- Kwaesan, Mt. Chuwangsan, Mt. Ch' onmasan, Mt. Pukhansan, Mt. Tobongsan, Mt. Kajisan, Mt. Wŏnhyosan, Mt. Ch'iaksan, Mt. Obongsan, Mt. Odaesan, Mt. Sŏlaksan.

Distribution: Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tshushima), China (Liaoning, Fukien), U.S.S.R. (Siberia).

Host: Fraxinus sieboldiana Blume, Ligustrum obtusifolium S. & Z.

Genus 3. Glyphocassis Spaeth, 1914. 남생이 요벌레붙이속

Glyphocassis Spaeth, 1914, Deutsch. Ent. Zeitschr.: 547.

Type-species: Cassida trinineata Hope.

Type-locality: N. India.

5. Glyphocassis spilota spilota (Gorham, 1885) 남생이 잎벌레붙이 Coptocycla spilota Gorham, 1885, Proc. Zool. Soc. Lond.: 285. Hebdomecosta reitteri Spaeth, 1915, Wien. Ent. Ztg. 34: 362. Hebdomecosta spilota: Chûjô, 1942, Trans. Nat. Hist. Soc. Form. 32: 43 (Korea). Hebdomecosta shirahatai Chujo, 1949, Trans. Kans. Ent. Soc. 14(2): 9, f.1. Glyphocassis spilota: Chujo et Kimoto, 1961, Pac. Ins. 3(1): 201 (Korea). Glyphocassis spilota spilota: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 960-961, f. 78(i) (Korea). Glyphocassis spilota: Nakane, 1963, Icon. Ins. Jap. Col. nat. ed. 2: 347, pl. 174(10) (Korea). Glyphocassis spilota: Kimoto, 1966, Journ. Fac. Agr. Kyush. Univ. 13(4): 645 (Korea). Glyphocassis spilota: Cho, 1969, Ill. Encycl. Faun & Flor. Kor. 10: 404 (Korea). Glyphocassis spilota: Jolivet, 1973, Cah. Pac. 17: 275 (Corée). Clyphocassis spilota: Kimoto, 1984, Col. Jap. Col. 4: 221, pl. 43(10) (Korea). Locality: new record- Mt. Naeyonsan. Distribution: Korea, Japan (Honshu), China (Chekiang, Fukien, Kiangsu, Shantung), Vietnam (Tonkin), Genus 4. Cassida Linnaeus, 1758 남생이 있벌레속 Cassida Linnaeus, 1758, Syst. Nat. ed. 10(1): 362. Type-species: Cassida nebulosa Linnaeus. Type-locality: Europe. Key to Korean species of Cassida 1. Elytral disc generally strongly convex; explanate margin of elytra more than ½ as wide at middle as disc, transparent and unpigmented in central portion; suture often raised into a tubercle behind scutellum; tarsal claws toothed (except in subgenus Alledoya) 2 -. Elytral disc rarely strongly convex; explanate margin of elytra generally less than ½ as wide at middle as disc, opaque or feebly transparent, generally pigmented similarly to disc; suture rarely raised into a distinct tubercle behind scutellum; tarsal claws not toothed (toothed in subgenus Odontionycha) 6 2. Tarsal claws more or less distinctly toothed; body oval or subrounded in dorsal outline. always rounded posteriorly, generally feebly tuberculate at summit of elytra; elytral disc at most feebly rugose; explanate margin rarely very broadly pigmented at either humeral -. Tarsal claws not toothed; body pentagonal in outline, very strongly tuberculate at summit of elytra; elytral disc coarsely rugose; explanate margin heavily and broadly pigmented at humeral and posterolateral angles (subgenus Alledoya); underside black, head and antennae yellowish brown to reddish brown with basal part of femora black; 3. Explanate margin of elytra with a dark humeral area or dark basal margin 4

	(See See See See See See See See See Se
4.	Explanate margin of elytra lacking a posterolateral dark spot; disc of elytra dark reddish brown
5.	X-shaped area astride suture at summit; elytral explanate margin often with a dark band at posterolateral portion; underside and legs yellowish brown; length 5.3-6.2mm
	 Cassida versicolor Pronotum broadly rounded at each side; elytra raised cresent on side of summit; elytral explanate margin always absent a dark; underside black with abdomen bordered with pale but legs yellowish brown Cassida juglans
6.	Tarsal claws not toothed basally
7.	Tarsal claws strong divergent, not minute, projecting at least slightly beyond end of lobes of tarsal segment 3, not hidden by hairs of latter
8.	Explanate margin of elytra feebly declivitous; body generally broadly oval or oblong and flattened (subgenus <i>Cassida</i> s. str.)
9.	Elytra regularly seriate-punctate, without any punctures in central portion between third and fourth puncture rows
10.	Explanate margin of elytra strongly thickened at border in central portion; pronotum broadly rounded at side; dorsum yellowish with minute black speckling; yellowish to reddish brown with ventral surface black; length 6.3-7.2mm
11.	Body fully 2/5 as deep as broad; interpunctural area 2 of each elytra strongly raised; pronotum broadly rounded laterally, reddish; elytra reddish or black; length 5.0mm
	Body only rarely as much as 1/3 as deep as brood
12.	Dorsal surface not contrastingly marked in dried specimens, generally reddish yellow or greenish on explanate margin as well as disc
	 Dorsal surface contrastingly marked with distinct discal spots on elytra; dorsum reddish

	with suture and about 6 spots on elytra disc black; ventral surface and legs black or reddish brown; length 5.8-7.8mm
13.	Legs not entirely black, though femora sometimes black basally; explanate margin not very sharp-edged
14.	Interpunctural areas of elytral disc lacking minute hairs
15.	Frontoclypeal area distinctly longer than broad; length 7.0-8.5mm
16.	Frontoclypeus bounded by grooves which meet at antennal insertions or disappear before meeting
17.	Grooves along sides of frontoclypeus meeting at antennal insertions; legs black with apex of femora, tibiae and tarsi brownish; length 4.8-5,2mm
	Subgenus Alledoya Hincks, 1950 교마 남생이 요면레
6	Cassida (Alledova) vespertina (Boheman, 1862)

Coptocycla vespertina Boheman, 1862, Mon. Cass. 4: 357.

Deloyala vespertina: Spaeth, 1926, Best.-Tab. Eur. Col. 95: 61 (Korea).

Cassida (Deloyala) vespertina: Chujo, 1934, Sylvia 5: 167 (Korea).

Cassida (Lasiocassis) vespertina: Gressitt, 1952, Proc. Cal. Acad. Sci. 4(27): 486 (Korea).

Cassida vespertina: Goto, 1956, In Nakane, et al. Color. Ill. Ins. Jap. Col.: 69, pl. 20 (Korea).

Cassida (Alledoya) vespertina: Chujo et Kimoto, 1961, Pac. Ins. 3(1): 196 (Korea).

Cassida vespertina: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 969 (Korea).

Cassida vespertina: Nakane, 1963, Icon. Ins. Jap. Col. nat. ed.: 348, pl. 174(18) (Korea).

Cassida vespertina: Cho, 1965, Sci. Techn. Nat. Sci. Kor. Univ. 6: 128 (Korea).

Cassida vespertina: Suda, In Furukawa, et al., 1965, Col. Encycl. Ins.: 551 (Korea).

Cassida (Alledoya) vespertina: Kimoto, 1966, Journ. Fac. Agr. Kyush. Univ. 13(4): 653 (Korea).

Cassida vespertina: Cho. 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 390, pl. 29 (Korea).

Cassida (Alledoya) vespertina: Jolivet, 1973, Cah. Pac. 17: 275 (Coree).

Cassida vespertina: Ed. Hokuryukan, 1979. Ill. Ins. Jap. Stud. ed.: 436 (Korea). Cassida (Alledoya) vespertina: Kimoto, 1984, Col. Jap. Col. 4: 222, pl. 43(22) (Korea).

Locality: new records- Mt. Taedunsan, Mt. Ungilsan, Mt. Naejangsan.

Distribution: Korea, Japan (Honshu, Shikoku, Ryukyu), China (Chahar, Chekiang, Fukien, Hunan, Hupeh, Kwangtung, Sikang, Szechuan), Mongolia, U.S.S.R. (Siberia).

Host: Calystegia Soldanella (L.) R. & S., Clematis apiifolia D.C., C. Chinensis Rotz.

Subgenus Taiwania Spaeth, 1913

7. Cassida (Taiwania) amurensis (Kraatz, 1879) 아므로 남생이요벌레

Coptocycla amurensis Kraatz, 1879, Deutsch. Ent. Zeitschr. 23: 141.

Cassida (Metriona) amurensis: Chûjô, 1942, Trans. Nat. Hist. Soc. Form. 32: 43 (Korea).

Cassida (Taiwania) amurensis: Gressitt et Kimoto, 1963, Pac. Ins. Mon 1B: 969-970 f. 276 (a) (Korea).

Cassida amurensis: Cho. 1965, Techn. Nat. Sci. Kor. Univ. 6: 128 (Korea). Cassida amurensis: Cho. 1969, Ill. Encycl. For. & Faun. Kor. 10: 406-407 (Korea). Cassida (Taiwania) amurensis: Jolivet, 1973, Cah. Pac. 17: 275 (Coree).

Distribution: Korea, China (Kirin), U.S.S.R. (Siberia).

8. Cassida (Taiwania) juglans Gressitt, 1942

연노랑남생이 있벌레

Cassida juglans Gressitt, 1942, Lingn. N. H. Surv. & Mus. Spec. Publ. 5: 4, f. 4.

Locality: new records- Mt. P'algongsan, Mt. Odaesan.

Distribution: Korea (new record), China (Chekiang).

9. Cassida (Taiwania) sigillata (Gorham, 1885)

Coptocyla sigillata Gorham, 1885, Proc. Zool. Soc. Lond.: 284.

Metriona sigillata: Chujo, 1941, Trans. Nat. Hist. Soc. Form. 31(209): 235 .

Metriona sigillata: Cho. 1957, Hum. Sci. Nat. Sci. Kor. Univ. 2: 249 (Korea).

Cassida (Taiwania) sigillata: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 974 (Korea).

Cassida sigillata: Cho. 1965, Sci. Techn. Nat. Sci. Kor. Univ. 6: 128 (Korea).

Metriona sigillata: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 120 (Korea).

Cassida sigillata: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 406-407 (C. Korea).

Cassida (Taiwania) sigillata: Jolivet, 1973, Cah. Pac. 17: 275 (Coree).

Cassida (Taiwania) sigillata: Kimoto, 1984, Col. Jap. Col. 4: 222, pl. 43(21) (Korea).

Locality: publish record- Kôryo (1); new record- Mt. Kůmgangsan.

Distribution: Korea, Japan (Honshu, Kyushu, Shikoku, Tsushima), China (Chekiang, Fukien, Kwangtung, Taiwan).

Ins. Koreana Series 5

10. Cassida (Taiwania) versicolor (Boheman, 1885)

엑스사 남생이 임벌레

Coptocycla versicolor Boheman, 1885, Mon. Cass. 3:414.

Coptocycla Thais Boheman, 1862, Ibid. 4: 463.

Coptocycla crucifera Kraatz, 1879, Deutsch. Ent. Zeitschr. 23: 271.

Locality: new records-Mt. Hwanghaksan, Mt. Naejangsan, Mt. Hallasan, Mt. Turyunsan.

Distribution: Korea (new record), Japan (Honshu, Shikoku, Kyushu, Ryukyu), China (Chekiang, Fukien, Hainan, Hunan, Hupeh, Kiangsi, Kwangtung, Taiwan), U.S.S.R. (Siberia), Vietnam (Tonkin), Burma.

Host: Malus sp., Pourthiaea sp., Prunus sp., Pyrus serotina Rehder, Rhaphiolepis indica, Sorbus gracilis Koch, S. alnifolia. Rosaceae spp.

Subgenus Mionycha Weise, 1891

11. Cassida (Mionycha) concha Solsky, 1872

우수리 남생이 있벌레

Cassida concha Solsky, 1872, Hor. Soc. Ent. Ross. 8: 264.

Cassida (Mionycha) concha: Chujo et Kimoto, 1961, Pac. Ins. 3(1): 199 (Korea).

Cassida (Mionycha) concha: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 975-976 (Korea).

Cassida concha: Cho. 1965, Sci. Techn. Nat. Sci. Kor. Univ. 6: 128 (Korea).

Cassida (Mionycha) concha: Kimoto, 1966, Journ. Fac. Agr., Kyush. Univ. 13(4): 653 (Korea).

Cassida concha: Cho. 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 406-407 (Korea).

Cassida (Mionycha) concha: Jolivet, 1973, Cah. Pac. 17: 275 (Corée).

Cassida (Mionycha) concha: Kimoto, 1984, Col. Jap. Col. 4: 221 (Korea).

Distribution: Korea, China (Liaoning), Japan (Honshu), U.S.S.R. (Siberia).

Subgenus Cassida Linnaeus s. str., 1758

12. Cassida (Cassida) fuscorufa Motschulsky, 1866

저갈색 남생이 잎벌레

Cassida fuscorufa Motschulsky, 1866, Bull. Soc. Nat. Mosc. 39(1): 178.

Cassida consociata Baly, 1874, Trans. Ent. Soc. Lond.: 213.

Cassida fuscorufa: Spaeth, 1926, Best.-Tab. Eur. Col. 95: 36 (Korea).

Cassida fuscorufa: Chûjô, 1934, Sylvia 5: 177 (Korea).

Cassida fuscorufa: Chûjô, 1941, Trans. Nat. Hist. Soc. Form. 31(209): 234 ^{①-③}.

Cassida fuscorufa: Ishii, 1941, Sci. Rep. Keit. 6: 10⁽⁴⁾.

Cassida fuscorufa: Gressitt, 1952, Proc. Cal. Acad. Sci. 4(27): 507 (Korea).

Cassida fuscorufa: Cho. 1957, Hum. Sci. Nat. Sci. Kor. Univ. 2: 248 (Korea).

Cassida fuscorufa: Chûjô et Kimoto, 1961, Pac. Ins. 3(1): 196 (Korea).

Cassida (Cassida) fuscorufa: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 976 (Korea).

Cassida fuscorufa: Nakane, 1963, Icon. Ins. Jap. Col. 2: 348, pl. 174(13) (Korea).

Cassida fuscorufa; Cho, 1965, Sci. Techn. Nat. Sci. Kor. Univ. 6: 129 (Korea).

Cassida (Cassida) fuscorufa: Kimoto, 1966, Journ. Fac. Agr. Kyush. Univ. 13(4): 655 (Korea).

Cassida fuscorufa: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 120 (Korea).

Cassida fuscorufa: Cho. 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 406-407 (N. C. Korea).

Cassida (s. str.) fuscorufa: Jolivet, 1973, Cah. Pac. 17: 275 (Corée).

Cassida fuscorufa: Kim et al. 1975, Rep. Kor. Ass. Cons. Nat. 7: 225 (5)

Cassida fuscorufa; Lopatin, 1975, Ins. Mong. 3: 230 (Korean peninsula).

Cassida fuscorufa: Kim, 1978, Distr. Atl. Ins. Kor. 2: 176, pl. 18 (CH41) ^{©-②}

Cassida (Cassida) fuscorufa: Takizawa, 1980, Nat. & Lif. 10(2): 12 (2)

Cassida (Cassida) fuscorufa: Kimoto, 1984, Col. Jap. Col. 4: 221, pl. 43 (13) (Korea).

Locality: published records- Husen-Kôgen ®, Yuki ®, Daiheimen ®, Mt. Hwaaksan ® ® , Hwach'ŏn ® ®, Ch'ongjin ®, Mt. Paegamsan ®, Kuryongsa ®, Kwangnung ® , Seoul Ch'ŏngyangni ® , Namsan ® , Sinch'on ® , Susaek ® , Okchŏlli ® , Mt. Kodaesan ® , Mt. Wangbangsan ® , Mt. Yongmunsan ® , Kumgok ® , Hibangsa ® Palkong-san ® ; new records- Mt. Hwanghaksan, Mt. Naeyŏnsan, Taegu, Tansan Myŏn, Mt. Pukhansan, Mt. Ungilsan, Mt. Obongsan, Mt. Sŏlaksan, Mt. Tŏgyusan, Mt. Mudungsan.

Distribution: Korea, Japan (Hokkaido, Honshu, Kyushu, Shikoku, Tsushima), China (Fukien, Heilungkiang, Hopei, Kiangsi, Kiangsu, Kirin, Liaoning, Taiwan).

Host: Artemisa spp.

13. Cassida (Cassida) lineola Creutzer, 1799 출남생이 잎벌레

Cassida lineola Creutzer, 1799, Ent. Vers.: 119, pl. 2(23).

Cassida russica Herbst, 1799, Nat. Käf. 8: 232, pl. 131(1).

Cassida sibirica Gebler, 1833, Bull. Soc. Nat. Mosc. 6: 306.

Cassida bicostata Fischer, 1842, Cat. Col. Sib. Or. Kar.: 24.

Cassida nigroguttata Gorham, 1885, Proc. Zool. Soc. Lond.: 281.

Castina ingregation Contain, 1005, 1100. 2001. DOC. LONG.

Cassida nigrostrigata Fairmaire, 1888, Rev. d'Ent. 7: 157.

Cassida lineola; Haku, 1936, Chos. Nat. Hist. Soc. 1(21): 123 ^①.

Cassida lineala (sic): Mochizuki et Tsunekawa, 1937, Journ. Chos. Nat. Hist. Soc. 22: 84. 2.

Cassida (Cassida) lineola: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 978-979, f. 283(a) (Korea).

Cassida lineola: Cho, 1965, Sci. Techn. Nat. Sci. Kor. Univ. 6: 129 (Korea).

Cassida (Cassida) lineola: Kimoto, 1966, Journ. Fac. Agr. Kyush. Univ. 13(4): 955 (Korea).

Cassida lineola: Cho, 1969, Ill. Encycl. Faun. & Flor Kor. 10: 406-407 (Korea).

Cassida (s. str.) lineola: Jolivet, 1973, Cah. Pac. 17: 275 (Coree).

Cassida (Cassida) lineola: Kimoto, 1984, Col. Jap. Col. 4: 222, pl. 43(18) (Korea).

Locality: published records-Taegu (1) Seoul (2), new records-Mt. Sudosan, Mt. Sŏlaksan.

Distribution: Korea, Japan (Honshu), China (Chahar, Fukien, Hopei, Hupeh, Kwangsi, Taiwan), Mongolia, U.S.S.R. (Siberia), Europe.

Host; Artemisa absinthium, A. camperstris, Beta vulgaris L.

14. Cassida (Cassida) mandli Spaeth, 1921

민남생이 잎벌레

Cassida (Cassida) Mandli Spaeth, 1921, Kol. Rundsch. 9: 84.

Cassida (Cassida) mandli: Chûjô, 1942, Trans. Nat. Hist. Soc. Form. 32: 42 (Korea).

Cassida (Cassida) mandli: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 979, f. 283(b) (Korea).

Cassida mandli: Cho, 1965, Sci. Techn. Nat. Sci. Kor. Univ. 6: 129 (Korea).

Cassida mandli: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 406-407 (Korea).

Cassida (s. str.) mandli: Jolivet, 1973, Cah. Pac. 17: 275 (Corée).

Locality: new record- Mt. Hwanghaksan.

Distribution: Korea, China (Liaoning), U.S.S.R. (Siberia).

15. Cassida (Cassida) nebulosa Linnaeus, 1758

남생이 잎벌레

Cassida nebulosa Linnaeus, 1758, Syst. Nat. ed. 10: 365.

Cassida affinis + C. maculata Fabricius, 1775, Syst. Ent.: 88.

Cassida tigrina DeGeer, 1775, Mem. Ins. 5: 168, pl. 5 (15,16).

Cassida nigra Herbst, 1799, Nat. Käf. 8: 258, pl. 131(12).

Cassida nebulosa: Cho, 1934 Journ. Chos. Nat. Hist. Soc. 17: 80 .

Cassida nebulosa; Mochizuki, 1935, Rensei 2(4): 31 (Korea).

Cassida nebulosa: Chûjô, 1936, Bull. Um. Ent. Lab. 3: 13⁽²⁾.

Cassida nebulosa: Haku, 1936, Journ. Chos. Nat. Hist. Soc. 1(21): 123⁽³⁾.

Cassida nebulosa: Masaki, 1936, Kontyu 10(5): 262⁽⁴⁾.

Cassida nebulosa: Mochizuki et Tsunekawa, 1937, Chos. Nat. Hist. Soc. 22: 84 ^⑤.

Cassida nebulosa: Mochizuki et Masui, 1939, Sci. Rep. Keit. 4: 65 6-7.

Cassida nebulosa: Ishii, 1940, Ibid. 5:51[®].

Cassida (s. str.) nebulosa: Chûjô, 1941, Trans. Nat. Hist. Soc. Form. 31(209): 234 ⁹⁻⁰ .

Cassida nebulosa: Ohane et al., 1941, Sci. Rep. Keit. 6: 26 (Korea).

Cassida nebulosa: Gressitt, 1952, Proc. Cal. Acad. Sci. 4(27): 513 (Korea).

Cassida nebulosa: Gotô, 1956, In Nakane, et al.: Color III. Ins. Jap. Col.: 68, pl. 20 (Korea).

Cassida nebulosa: Cho, 1957, Hum. Sci. Nat. Sci. Kor. Univ. 2: 248 (Korea).

Cassida (Cassida) nebulosa: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 980 (Korea).

Cassida nebulosa: Cho, 1965, Sci. Techn. Nat. Sci. Kor. Univ. 6: 129 (Korea).

Cassida nebulosa: Suda, In Furukawa, et al., 1965, Col. Encycl. Ins.: 551 (Korea).

Cassida (Cassida) nebulosa: Kimoto, 1966, Journ. Fac. Agr. Kyush. Univ. 13(4): 653-654 (Korea).

Cassida nebulosa: Ed. Min., 1967, Rep. Acad. Surv. Mt. Seolak: 195 (8)

Cassida nebulosa: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 120 (Korea).

cassida nebulosa: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 390-391, pl. 74(30) (N.C. Korea).

Cassida nebulosa: Seok, 1970, Ins. Faun. Is. Quelpart 5: 59 (9)

Cassida (s. str.) nebulosa: Jolivet, 1973, Cah. Pac, 17: 275 (Corée).

Cassida nebulosa: Kim et al., 1975, Rep. Kor. Ass. Cons. Nat. 7: 225 (1)

Cassida nebulosa: Lopatin, 1975, Ins. Mong. 3: 230 (Korean peninsula).

Cassida nebulosa: Kim, 1978, Distr. Atl. Ins. Kor. 2: 175, pl. 18 (CH40a) (9)-(6)

Cassida (Cassida) nebulosa: Takizawa, 1980, Nat. & Lif. 10(2): 12 (Square) .

Cassida nebulosa: Lee et Kwon, 1981, Rep. Kor. Ass. Cons. Nat. 19: 170 (Square) .

Cassida (Cassida) nebulosa: Kimoto, 1984, Col. Jap. Col. 4: 221, Pl. 43(12) (Korea).

Cassida nebulosa: Kim et Nam, 1984, Rep. Acad. Surv. Mt. Sŏrak.: 333 (Square) .

Locality: published records- Mt. Kwanboho (Kwanbô-Hô), Mt. Kwanmobong (Kokwanboho), Taegu (Taikyû), Is. Kangwhado Tangsangni (Kokwanboho), Tangsalli (Kokwanboho), Is. Kangwhado Tangsangni (Kokwanboho), Tangsalli (Kokwanboho), Seoul (Keizyô), Seoul Taenung), Suyuri (Kokwanboho), Anamdong (Kokwanboho), Mt. Songnisan (Kokai), Kapsan (Koka

Distribution: Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu, Tsushima), China (Hopei, Hupeh, Kiangsu, Kirin, Lioning, Shangtung, Szechuan), U.S.S.R. (Siberia), Europe.

Host: Amaranthus sacendens Lois, A. mangostanus L., Atriplex subcordata, Beta vulgaris var. altissima, B. vlugaris var flavescens, Chenopodium album var. centrorubrum, Convolvulus sp.

16. Cassida (Cassida) pallidicollis Boheman, 1856 노란가슴 남생이 잎벌레

Cassida pallidicollis Boheman, 1856, Cat. Col. Ins. Brit. Mus. 9: 138.

Cassida (Mionycha) Morawitzi Jacobson, 1894, Hor. Soc. Ent. Ross. 28: 245.

Cassida pallidicollis: Spaeth, 1914, Zool. -Bot. Ges. Wien Verh. 64 (Sitzb): 130, 139 (Korea).

Cassida pallidicollis: Spaeth, 1926, Best. -Tab. Eu. Col. 95: 32 (Korea).

Cassida pallidicollis: Doi, 1927, Dob. Zassh. 39(466): 335 ^①.

Cassida pallidicollis: Matsumura, 1931, 6000 Ill. Ins. Jap.: 226 (Korea).

Cassida (Cassida) pallidicollis: Wu, 1937, Cat. Ins. Sin. 3: 921 (Korea).

Cassida (Cassida) pallidicollis: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 981, f. 283(c) (Korea).

Cassida pallidicollis: Cho, 1965, Sci. Techn. Nat. Sci. Kor. Univ. 6: 129 (Korea).

Cassida pallidicollis: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 391, pl. 31 (Korea).

Cassida (s. str.) pallidicollis: Jolivet, 1973, Cah. Pac. 17: 275 (Corée).

Cassida (Cassida) pallidicollis: Takizawa, 1980, Nat. & Lif. 10(2): 12 2. 3

Locality: published records- Seoul⁽¹⁾, Taegu⁽²⁾, Palkong-san⁽³⁾; new records- Hayang Up, Tansan Myon, Mt. Pukhansan.

Distribution: Korea, China (Anhwei, Heilungkiang, Hopei, Kiangsu, Kirin, Shansi), Mongolia, U.S.S.R. (Siberia).

Host: Chenopodium sp.

17. Cassida (Cassida) piperata Hope, 1842

애탑생이 잎벌레

Cassida piperata Hope, 1842, Proc. Ent. Soc. Lond. 1: 62.

Cassida labilis Boheman, 1854, Mon. Cass. 2: 402.

Cassida japana Baly, 1874, Trans. Ent. Soc. Lond.: 212.

Cassida rugifera Kraatz, 1879, Deutsch. Ent. Zeitschr. 23: 274.

Cassida biguttulata Kraatz, 1879, Ibid.: 284.

Coptocycla sparsa Gorham, 1885, Proc. Zool. Soc. Lond.: 284.

Cassida (s. str.) piperata: Spaeth, 1926, Best. -Tab. Eur. Col. 95: 30 (Korea).

Cassida japonica (sic): Doi, 1927, Dob. Zassh. 39(466): 337 (Korea).

Cassida piperata: Chujo, 1934, Sylvia 5: 174 (Korea).

Cassida (s. str.) piperata: Chûjô, 1941, Trans. Nat. Hist. Soc. Form. 31(209): 235 ^{①-④}.

Cassida piperata + C. japonica: Yuasa, 1950, Icon. Ins. Jap. ed. ref. 2: 1210, pl. 3481, 3482 (Korea).

Cassida piperata: Gressitt, 1952, Proc. Cal. Acad. Sci. 4(27): 515 (Korea).

Cassida piperata: Goto, 1956, In Nakane, et al.: Color. Ill. Jap. Col.: 69, pl. 20 (Korea).

Cassida piperata: Cho, 1957, Hum. Sci. Nat. Sci. Kor. Univ. 2: 248-249 (Korea).

Cassida piperata: Chûjô, 1961, Pac. Ins. 3(1): 197 (Korea).

Cassida japana: Cho, 1963, Hum. Sci. Nat. Sci. 6: 210 ⁽⁵⁾.

Cassida (Cassida) piperata: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 981 (Korea).

Cassida piperata: Nakane, 1963, Icon, Ins. Jap. Col. nat. ed. 2: 348, pl. 174(14) (Korea).

Cassida piperata + C. japana: Cho, 1965, Sci. Techn. Nat. Sci. Kor. Univ. 6: 129 (Korea).

Cassida (Cassida) piperata: Kimoto, 1966, Journ. Fac. Agr. Kyush. Univ. 13(4): 654-655 (Korea).

Cassida japana: Cult. & Inf. Min., 1968, Rep. Acad. Surv. Mt. Hanlasan: 262 6.

Cassida piperata + C. japana: Zool. Soc. Kor., 1968, Nom. an. Kor. 2: 120 (Korea).

Cassida piperata + C. japana: Cho, 1969, Ill. Encycl. Faun. & Flor. 10: 406-407 (N.C. (Korea).

Cassida (s. str.) piperita (sic): Jolivet, 1973, Cah. Pac. 17:275 (Corée).

Cassida piperata: Kim, 1978, Distr. Atl. Ins. Kor. 2: 175, pl. 18 (CH406) ²⁰⁻¹³.

Cassida piperata: Yoon et Nam, 1979, Rep. Kor Ass. Cons Nat. 14: 84 (9-6)

Cassida piperata: Kim et Lee, 1980, Ibid. 16: 83 (8)

Cassida (Cassida) piperata: Takizawa, 1980, Nat. & Lif. 10(2): 12 49-40

Cassida piperata (sic): Kim et Chang, 1982, Gen. Rep. Nat. Cond. 1: 147 (2)

Cassida (Cassida) piperata: Kimoto, 1984, Col. Jap. Col. 4: 221, pl. 43(14) (Korea).

Cassida piperata: Kim et Nam, 1984, Rep. Acad. Surv. Mt. Sorak: 333 23.

Locality: published records- Kôkai (Cheju-jo) (S), Mt. Hanlasan (S), Seoul Sŏdaemun (Sinch'on (S), Ahyŏndong (S), Pogwangsa (S), Koegoni (S), Hibangsa (S), Taegu (S), Bijindo Is. (S), Hongdo Is. (S), Gugdo Is. (S), Galdo Is. (S), Chilbal-do (S), Kumi nr. Taegu (S), Paikong-san (S), Is. Deogjeog (S), Mt. Sŏrak (S), is new records- Kamch'ŏn Myŏn, Mt. Kúmosan, Mt. Naeyŏnsan, Is. Tokto, Is. Ullungdo, Mt. Pukhansan, Mt. Tobongsan, Is. Yokjido, Mt. Odaesan, Is. Ch'ujado, Jungmun, Is. Hongdo, Is. Hūksando, Is. Wando.

Distribution: Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu, Ryukyu, Tsushima), China (Fukien, Hopei, Kiangsu, Kwangtung, Liaoning, Shantung, Sikang, Taiwan), U.S.S.R. (Siberia), Indo China, Philippines (Luzon).

Host: Achyranthes japonica (Miq.), Alternanthera sessitis R. Br., Amarnthus ascendens Lois. A. mangostanus L., Atriplex subcordata Kitagawa, Beta vulgaris L., Celosia argentea L.,

Chenopodium album L., Commelina nudiflora L., C. rgenta.

18, Cassida (Cassida) rubiginosa Muller, 1776 청남생이 잎법레

Cassida rubiginosa Muller, 1776, Zool. Danm. Prodr.: 65.

Cassida rugosopunctata Motschulsky, 1866, Bull. Soc. Nat. Mosc. 39(1): 177.

Cassida rubiginosa var. rugo sopunctata: Spaeth, 1926, Best. -Tab. Eur. Col. 95: 44 (Koren).

Cassida rubiginosa rugo sopunctata: Mochizuki et Tsunekawa, 1937, Journ. Chos. Nat. Hist. Soc. 22: 84^①.

Cassida rubiginosa rugo sopunctata: Narita, 1939, Sci. Rep. Kait. 4: 48².

Cassida rubiginosa var. rugosopunctata: Chujo, 1941, Trans. Nat. Hist. Soc. Form. 31 (209): 235 3-5.

Cassida rubiginosa var rugosopunctata: Gressitt, 1952, Proc. Cal. Acad. Sci. 4(27): 517 (Korea).

Cassida rubiginosa + C. rubiginosa rugosopunctata: Cho, 1957, Hum. Sci. Nat. Sci. Kor. Univ. 2: 249 (Korea).

Cassida (Cassida) rubiginosa: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 982 (Korea).

Cassida rubiginosa: Cho, 1965, Sci. Techn. Nat. Sci. Kor. Univ. 6: 130 (Korea).

Cassida (Cassida) rubiginosa: Kimoto, 1966, Journ. Fac. Agr. Kyush. Univ. 13(4): 656 (Palaearctic region).

Cassida rubiginosa: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 120 (Korea).

Cassida rubiginosa: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 406-407 (C. Korea).

Cassida (s. str.) rubiginosa: Jolivet, 1973, Cah. Pac. 17: 275 (Coree).

Locality: published records- Seoul (Keizyô (Mt. Soyosan (Mt. Syôyô-Zan)); new records- Mt. Sobaeksan, Suwon, Is. Namhaedo, Mt. Ch'iaksan, Mt. Odaesan, Mt. Solaksan, Mt. Taedunsan, Mt. Togyusan, Mt. Hallasan, Is. Chindo.

Distribution: Korea, Japan (Hokkaido, Honshu, Shikoku), China (Chekiang, Fukien, Hupeh, Kiangsu), Tibet, U.S.S.R. (Sachalin).

Host: Carduus spp., Cirsium spp., Cynara spp., Onopordon spp., Saussurea Tanakae F. & S., Sonchus spp., Tanacetum spp.

19. Cassida (Cassida) spaethi Weise, 1900 스페트 남생이 잎벌레

Cassida stigmatica (nec Suffrian): Kraatz, 1879, Deutsch. Ent. Zeitschr. 23: 267.

Cassida spaethi Weise, 1900, Ibid.: 458.

Cassida Kraatzi Weise, 1900, Arch. Nat. 66: 295.

Cassida spaethi: Spaeth, 1914, Col. Cat. 62: 11 (Korea).

Cassida (Cassida) Spaethi: Spaeth, 1926, Best. -Tab. Eur. Col. 95: 46 (Korea).

Cassida spaethi: Doi, 1927, Dob. Zassh. 39(466): 337 (Korea).

Cassida (Cassida) spaethi: Wu, 1937, Cat. Ins. Sin. 3: 922 (Korea).

Cassida spaethi subsp. mandschukuoensis Spaeth, 1942, Arb. Morph. Tax. Ent. Berl. -Dahl. 9: 13.

Cassida (Cassida) spaethi: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 982-983 (Korea).

Cassida spethi (sic): Cho, 1965, Sci. Techn. Nat. Sci. Kor. Univ. 6: 130 (Korea).

Cassida spaethi: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 120 (Korea).

Cassida spethi (sic): Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 406-407 (Korea).

Cassida (s. str.) spaethi: Jolivet, 1973, Cah. Pac. 17: 276 (Coree).

Cassida spaethi: Lopatin, 1975, Ins. Mong. 3: 231 (Korean peninsula).

Distribution: Korea, China (Heilungkiang), Mongolia, U.S.S.R. (Siberia).

Subgenus Odontionycha Weise, 1891

20. Cassida (Odontionycha) viridis Linnaeus, 1758

박하 남생이 잎벌레

Cassida viridis Linnaeus, 1758, Syst. Nat. ed. 10(1): 362.

Cassida equestris Fabricius, 1787, Mant. Ins. 1: 624.

Cassida viridis: Heyden, 1887, Hor. Soc. Ent. Ross. 21: 263 (Korean peninsula).

Cassida viridis: Haku, 1936, Journ. Chos. Nat. Hist. Soc. 1(21): 123 .

Cassida viridis: Ishii, 1940, Sci. Rep. Keit, 5: 51².

Cassida erudita: Kim, 1978, Distr. Atl. Ins. Kor. 2: 175^{3. 4}.

Locality: published records- Taegu⁽¹⁾, Hwi gi dong⁽²⁾, Kwangnung⁽³⁾, Mt. Solaksan⁽⁴⁾, new record- Mt. Naeyonsan.

Distribution: Korea, China (Kirin), U.S.S.R. (Siberia), Europe.

Host: Circium, Galeopsis, Lycopus, Mentha, Salvia, Stachys spp.

Subgenus Cassidulella Strand, 1928

21. Cassida (Cassidulella) nobilis Linnaeus, 1758

명이주 남생이 잎벌레

Cassida nobilis Linnaeus, 1758, Syst. Nat. ed. 10(1): 363.

Cassida (Cassidula) nobilis: Chujo, 1941, Trans. Nat. Hist. Soc. Form. 31(209): 233 .

Cassida nobilis: Cho, 1957, Hum. Sci. Nat. Sci. Kor. Univ. 2: 249 (Korea).

Cassida (Cassidulella) nobilis: Gressitt et Kimoto, 1963, Pac. Ins. Mon. 1B: 984 (Korea).

Cassida nobilis: Cho, 1965, Sci. Techn. Nat. Sci. Kor. Univ. 6: 130 (Korea).

Cassida (Cassidulella) nobilis: Kimoto, 1966, Journ. Fac. Agr. Kyush. Univ. 13(4): 657 (Palaearctic region).

Cassida nobilis: Zool. Soc. Kor., 1968, Nom. An. Kor. 2: 120 (Korea).

Cassida nobilis: Cho, 1969, Ill. Encycl. Faun. & Flor. Kor. 10: 406-407 (S. Korea).

Cassida nobilis: Gu. 1973, Ent. Lab. Seoul Agr. Coll.: 137 (Korea).

Cassida (Cassidulella) nobilis: Jolivet, 1973, Cah. Pac. 17: 27 (Corée).

Locality: published record- Hokusammen (1); new records- Hayang Up, Taegu.

Distribution: Korea, Japan (Honshu), U.S.S.R. (Siberia), Europe.

Host: Atriplex spp., Beta vulgaris L., Chenopodium spp., Honkenya peploides var. major, Oryza sativa L., Silene maritima, Spergula arvensis L.

Remarks: This species was collected by authors in rice plants which are Taegu area in the beginning of June.

22. Cassida (Cassidulella) velaris Weise, 1896

꼬마 남생이 잎벌레

Cassida velaris Weise, 1896, Deutsch. Ent. Zeitschr.: 28.

Locality: new record- Mt. Wonhyosan.

Distribution: Korea (new record), Japan (Honshu), China (Kirin, Tibet, Tsinghai), U.S.S.R. (Siberia).

23. Cassida (Cassidulella) vittata Villers, 1789

종낭생이 잎벌레

Cassida vittata Villers, 1789, Linn. Ent. 1:93.

Locality: new record- Kwangnung.

Distribution: Korea (new record), Japan (Honshu), U.S.S.R. (Siberia), Europe.

Host: Arenaria maritima, Beta vulgaris, Hokenya sp., Salicornia sp., Spergula sp., Urtica sp.

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